In the Abstract:

Please amend the abstract of the disclosure as follows:

A method to locate a fault from one end of a section of a power line utilizing measurements of current, voltage and angles between the phases at a first end of said section. Symmetrical components of currents are calculated for the current and voltage measurement at the first end. A value of impedance is calculated for an extra link between the terminals with the impedance for the positive sequence ~~equal to:~~

~~$(\underline{Z}_{1LB\&AB} = \frac{\underline{Z}_{1LB}\underline{Z}_{1AB}}{\underline{Z}_{1LB} + \underline{Z}_{1AB}})$ where:~~

~~$\underline{Z}_{1AB}$ = impedance for the positive sequence of the extra link,~~

~~$\underline{Z}_{1LA}$ = positive-sequence impedance of the healthy line~~.

A compensation is determined for the shunt capacitance ~~with the aid of an equation of the form:~~

~~$B_2^{comp\_1}(d_{comp\_1})^2 + B_1^{comp\_1} d_{comp\_1} + B_0^{comp\_1} = 0$ where:~~

~~$B_2^{comp\_1} = A_{2\_Re}^{comp\_1} A_{00\_Im}^{comp\_1} - A_{2\_Im}^{comp\_1} A_{00\_Re}^{comp\_1}$~~

~~$B_1^{comp\_1} = A_{1\_Re}^{comp\_1} A_{00\_Im}^{comp\_1} - A_{1\_Im}^{comp\_1} A_{00\_Re}^{comp\_1}$~~

~~$B_0^{comp\_1} = A_{0\_Re}^{comp\_1} A_{00\_Im}^{comp\_1} - A_{0\_Im}^{comp\_1} A_{00\_Re}^{comp\_1}$~~.

The zero-sequence current is determined from the healthy line of a section of parallel power lines. A distance to a fault is calculated for the parallel line section. The distance to the fault from the first end is calculated ~~using a quadratic equation of the form:~~

~~$B_2 d^2 + B_1 d + B_0 = 0$ where:~~

~~$B_2 = A_{2\_Re} A_{00\_Im} - A_{2\_Im} A_{00\_Re}$~~

~~$B_1 = A_{1\_Re} A_{00\_Im} - A_{1\_Im} A_{00\_Re}$~~

~~$B_0 = A_{0\_Re} A_{00\_Im} - A_{0\_Im} A_{00\_Re}$~~. The fault is located utilizing the calculated distances.